

# TECH CIRCUS RALLY TOMORROW

## BOOTERS DEFEAT BRIDGEWATER IN FIRST WIN, 3 - 1

Kron, Dreselly Score Engineer Goals; Forsburg Good On Defense

### MORALE OF TEAM HIGH

The palms of victory at last rewarded the efforts of the M. I. T. soccer team when it defeated the Bridgewater State Teachers College team Saturday, on the Coop Field, 3 to 1. The game was an exciting one throughout, although the Technology warriors had the ball in Bridgewater territory most of the game. The Engineer's first goal was scored in the first quarter on a kick by R. Kron. The ball was stopped by the Bridgewater goalie, E. Scabill, who raised the ball over his head, but in his attempt to get sufficient power in his throw he leaned back over the goal line. The referee declared this a goal for Technology.

The second M. I. T. goal was scored in the third quarter, also by R. Kron. (Continued on Page 3)

## "TECH SWIM CLUB" IS NAME OF NEW SOCIETY FOR VARSITY NATATORS

Organization To Try To Make Institute "Swimming Conscious"

Last month saw the formation of a new Technology organization, the Tech Swim Club, to be to swimmers what the Tech Boat Club is to oarsmen. It is to be an honorary club, composed of members of the Varsity team who have shown an interest in the sport and who have a good record.

The charter members are: Bob Granberg, '35, President; James Patterson, '36, Vice President; William Hope, '36, Secretary; and Lincoln Paige, '35, Treasurer. Since the founding of the Club, six members have been elected. They are: John H. Best, '35, last year's Varsity manager. (Continued on Page 5)

## VOO DOO STAFF TROUBLED BY SURPLUS LITERATURE

We are offering herewith some suggestions for use in subsequent issue of that comic magazine *Poo Poo*, or as it is commonly known, *Voo Doo*. (There is little difference but what there is we will take out in trade.) These suggestions consist of cuts and captions which you will find on page four.

This is done not in a malicious spirit, but as a means of thanking *Voo Doo* for its gentle cajolery of last Friday. We are sure their management will understand.

(Continued on Page 5)

## TAU BETA PI PICKS SIXTEEN INITIATES

Seniors and Juniors Chosen By Honorary Engineering Fraternity

Elections to Tau Beta Pi, the national honorary engineering fraternity, were announced last week by John D. Hossfeld, President of the local chapter. The list includes thirteen seniors and three juniors. The formal initiation, to be followed by a banquet, will take place on the night of November 22nd, at a place as yet unknown.

Members of the Fraternity are picked on a basis of scholarship and (Continued on Page 6)

## 5:15 CLUB MEMBERS HAVE VICTROLA DANCE

Guy Lombardo, Glen Gray Play At Informal Gathering

Commuters staged their second informal dance in the 5:15 Club Room last Saturday evening with about twenty couples attending.

Music was furnished by the Glen Gray, Guy Lombardo, and other orchestras over the victrola and radio. Informality strictly prevailed with tag dances and the skouch dance proving entertaining features. The winners of the skouch dance received an apple as the prize.

## BOAT CLUB YACHT PARTY FEATURES SCAVENGER HUNT

Two Bottles of Champagne Will Be Awarded to Winners Of Novelty Search

### EVENT IS FRIDAY NIGHT

Two bottles of champagne, a valuable prize in any contest, will be given to the winner of the "Scientific Scavenger Hunt", one of the many attractions at the Tech Boat Club's Yacht Party to be held Friday night in Walker Memorial.

Employing the same type of decorations that were used at the Yacht Party last year, which was pronounced a huge success, the Boat Club will create about Walker Memorial at atmosphere of the sea. At the entrance of the Main Hall will be placed a gang plank, suggesting to the guest something of the inside appearance of the hall. Suspended from the ceiling will be a large shell in addition to signal flags, life preservers, smoke stacks, ships' bells, and other sea accessories. Added features of the decorations are a fog horn, a binnacle, run- (Continued on Page 6)

## SERIES OF COLLOQUIA TO BE PRESENTED FOR COURSE VI STUDENTS

Talks To Be Given By Leading Engineers in Commercial Companies

Through the cooperation of several manufacturing and engineering companies the Department of Electrical Engineering is able to present for the ninth consecutive year a series of colloquia, open to seniors, graduate students and junior honor students.

Designed to acquaint them with the way in which the fundamental sciences, especially physics and mathematics, are applied to particular engineering problems, each colloquium is led by an engineer who has fostered some important achievement in his own company. The presentation covers two hours, included in which will be a period open to questions and discussion upon the main subject.

During the first term, the following colloquia are planned: November 19-20, Mr. M. J. Steinberg, Assistant Engineer, and Mr. T. H. Smith, Assistant Station Efficiency Engineer, of the Operating Department, Brooklyn Edison Company. "The Theory of Incremental Rates and Their Practical Application to Load Division in the Generating Stations on the Metropolitan Area of New York"; December 10-11, Mr. Felix Konn, Motor Division, Transportation Engineering Department, General Electric Company, on "Single-Phase Traction Motors"; December 17-18, Mr. Martin Schiff, Electrical Engineer, Century Electric Company, "Design of Polyphase Induction Motors"; January 7-8, Mr. P. H. Rutherford, Electrical Engineering Department, Delco Products Corporation, on "Small Single Phase Motors".

For the first discussion, to be led by Mr. A. J. Steinberg, '22, which will be held from 3:00 to 5:00, November 19, and from 2:00 to 4:00 on November 20 in Room 10-275, a series of references has been posted to which those planning to attend are advised to refer.

## Missing Tickets Returned Ten Minutes After Notice

Use our classified ads for quick service. None genuine without the signature and beard.

But no, we are getting off the subject. Our comment is occasioned by the fact that the ten tickets to the Scabbard and Blade Dance, reported missing in our last issue, were returned within ten minutes after THE TECH made its appearance!

Has anybody lost a gold filling, discovered his pet chameleon to be missing, or lost track of his chewing gum? Twenty-four hour service guaranteed!

## COMMITTEE SILENT ON PROM ELECTION

Examiners Believe Origin of Fraternity Letter Established

Absolute secrecy is being maintained during the investigation into the charge of electioneering in the Junior Prom Committee Elections, last Wednesday. No member of the Executive Committee, in whose hands the prosecution rests, would commit himself, or in any way indicate the progress that has been made.

It was learned from an authoritative source that the origin of the circular letter, on which the charges were based, is known with almost full certainty. The investigation has now turned to establishing conclusive (Continued on Page 6)

## DEBATERS WILL HOLD TRYOUTS ON THURSDAY

Members, Non-Members Present Talks on Munitions

Tryouts for team selections will be held at the next meeting of the M. I. T. Debating Society on Thursday, November 15, at 5:15 in the West Lounge of Walker Memorial. Anyone interested whether a member of the society or not has been invited to present a four or five minute talk (Continued on Page 6)

## STUDENTS TO VOTE

Petitions Demanding Referendum of Entire Student Body To be Circulated

## FIVE PERSONS OFFER TO AID AS MANAGERS

Nelligan Urges All Interested To Attend; Students and Faculty to Speak

Decision on the part of the student body as regards its attitude towards a Tech Circus is expected to be taken at the mass meeting which has been called for tomorrow and will be held in Room 5-330 at 5 o'clock.

The meeting has been called by Thomas P. Nelligan, '35, who has offered to manage the affair if sanction is obtained from the Institute Committee. The latter, however, last week forbade the holding of the Circus under the Institute name, stating that the possibility of injury, the doubtful financial stability, and the dearth of efficient management were (Continued on Page 6)

## FIRST MUSICAL CLUBS CONCERT TO BE HELD TOMORROW EVENING

Glee Club, Banjo Club, Orchestra, Each to Present Two Selections

First concert of the current season of the Combined Musical Clubs will be presented tomorrow evening at the Franklin Square House. Each of the individual clubs will present two selections.

A short and varied program has been arranged by the club coaches, William Weston and George Hoyen. In addition to the club presentations, there will be a banjo duet by Frank Walters, '35, leader of the banjo club, and Charles Hanley, '35.

A new feature of the concert will be a demonstration of sleight-of-hand methods, by Bernard Whitman, '35. (Continued on Page 2)

## One Percent of Automobile Drivers Cause Almost 40% of All Accidents

Traffic Survey Under Col. Eddy Reveals Vital Statistics on Highway Driving Conditions in Massachusetts.

One per cent of the worst drivers in Massachusetts, cause more than 36 per cent of the automobile accidents in the State, according to a traffic and accident survey carried on during the last year under the supervision of the Institute with Colonel Robert C. Eddy in charge.

This and other important statistics were compiled through the work of the survey which employed a maximum of 1,200 workers, 450 graduate engineers, 125 of which were Technology men, and with a total payroll of about \$400,000.

On December 9, 1933, Governor Ely requested Technology to supervise such a survey of accidents in order to determine the real causes of accidents and the best methods of lessening the accident rate.

At first under a C.W.A. project which employed 900 engineers and later under the E.R.A. the survey was carried out. Advantage was taken of high grade trained men temporarily out of employment. The research was undertaken on a wholly scientific basis, first observing conditions, then analyzing these into their significant factors, and finally applying scientific principles for correction.

### Winter Counts Taken

Traffic counts, the first reliable ones taken during the winter months, were taken in December and January. This work involved over 500 men, who were supervised by Traffic Engineers, one at the head of each of the seven districts of the State. From these counts, complete traffic flow maps were constructed which were invaluable in analysis of the problem at hand.

In the Department of Public Works were records of about 120,000 accidents for the 1930-33 interval. These (Continued on Page 5)

## Cats Think Better of Refusal to Meet THE TECH Staff In Gridiron Skirmish

Playing Football - Taxes Weaklings Physically More Than Clipping Exchanges. Coach for THE TECH Promises Three Powerful Teams.

Afraid that some one beside THE TECH might call them yellow, members of the *Voo Doo* staff have thought better of their refusal to play football this fall. Yet mindful, even fearful, of the tremendous exertion on its part endeavoring to overcome limitless odds against it, the dyed alley ranger has been extremely careful to ask a condition to its acceptance; a "board" meeting will be necessary before final arrangements can be made.

Football, unlike clipping jokes from the Lampton and attending burlesque shows, means more effort in one day for the bed-room artists than has been expended by them in assembling their magazine since the War. Even the energy needed to assemble their team of third rate ringers is overwhelming.

The coach of THE TECH squad has assured us that he will be able to put at least three powerful and well balanced teams on the field. He expressed fear, however, that *Voo Doo* will fold up before he can give all his men a chance to play. Aware of the customary left-handed policy of Phosphorus, THE TECH's manager has retrenched his team in case the opposition was able to secure a professional team by obtaining an option on the Green Bay Packers.

Should *Voo Doo* attempt to profiteer by selling tickets this week in the Lobby at \$3.30, THE TECH wishes to announce that it will guarantee admission to the grandstand to anyone who wants to see the gruesome spectacle of the feline team (ringers and all) covering the field with its dismembered bodies. However, until *Voo Doo* sets a definite date, we trust public opinion will force the sissies to drop their cowardly attitude and play ball.



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## MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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## SANE SOLUTION

## REGULATED ELECTIONEERING

THE government of a student body is a state within a state. It is subject to, and cannot modify, the regulations of municipal and other governing bodies. The residue of functions left to the students is confined entirely to internal problems, and to an objective observer, is meager in scope and importance.

Under such circumstances, any elaborate system of officers is mere pretension. It is like installing a high pressure, pulverized coal fired steam generating unit, complete with economizers and superheaters, where a hand fired H. R. T. boiler is needed.

The student government at Technology is so conceived, that intentionally or not, almost all of the administrative and executive powers reside in the Institute Committee, and the officers of the three lower classes have little to do aside from their duties on the Committee.

Any student who takes the opportunity to attend the sessions of the Committee will soon find that were these elected officers absent, the effect on the deliberations of that august body would be unobservable.

Most of the measures are initiated by, and most of the discussion limited to, those members who owe their connection with the Institute Committee to their positions in activities.

It is essential that the lower classes keep at least a potential spokesman on the Committee, but the presence of three members is needless.

The editor feels that were only a president elected, and a secretary-treasurer appointed by the Institute Committee to the Budget Committee, an improvement would be effected over the present system.

With more importance attached to the single office, there would be a real need for a regulated electioneering, which could take the form perhaps, of publishing each candidate's rating and activity record. In any case electioneering would be permitted, but, as THE TECH suggested last term, regulated and administered by the Institute Committee so as to be as impartial as possible.

Thus, the present illogical situation, where the Institute Committee frowns in vain on an unprecentable practice, would be destroyed, and a more sensible and efficient student government installed.

## SOVIET STABILITY

## PEASANT'S STAND ON WAR

ON the occasion of the U. S. S. R.'s 17th anniversary this past week, it is interesting to note William H. Chamberlin's appraisal of that nation's stability. He says that the existence of the Soviet is assured against any conceivable shock other than a foreign war. In case of conflict with Japan, he feels that the industrial structure and mechanized army may be counterbalanced by widespread peasant discontent.

The latter factor is not fully appreciated except by those who have come in contact with the Russian moujik. Although this may not apply to the new generation of peasants who have been brought up in a concentrated atmosphere of pro-Communist propaganda, there was little doubt as to the older peasant's stand on war.

Like the Chinese farmer, all patriotism has been squeezed out of his bones by prolonged and bitter suffering. He was an instinctive internationalist, sympathizing with the lowly of all warring nations, passively resisting aggression by outsiders or by his own government. His attitude in the Russo-Japanese struggle, for instance, wavered between indifference and downright hostility to his government's course.

It is still possible that the peasant, in spite of seventeen years of "education" may still refuse to make sacrifices for victory in a Siberian theatre of war. His inertia would more than offset the effects of an industrial plant whose size is generally exaggerated, and a huge, loyal, not too thoroughly equipped army.

A recent digest of the much publicized five year plan claims that it resulted in no more construction than the increase for one normal year in the United States.

However that may be, it is better for Russia and for the world that the Soviet's new proletariat not to be put to the test of war.

## NEEDED IMPROVEMENTS

## NEW ENDOWMENTS

IN the seventy years that Technology has existed it has accumulated an endowment of some thirty-five million dollars and the wherewithal to develop one of the best educational plants to be found anywhere. However, in respect to its non-curricular advantages, Technology has not been so fortunate. It still lacks many needed improvements for the recreation and housing of its students, which, with the present financial set-up, can only be obtained by special endowment on the part of philanthropic alumni or other interested persons.

Among the most urgent needs of this kind might be mentioned an addition to Walker Memorial with a swimming pool, more space for activities, and more lounging facilities, a new gymnasium to replace the prehistoric hangar, and above all, an addition to the undergraduate dormitories. The original plans for Walker Memorial called for wings extending from each side of the present building containing all recreational facilities not provided for in the main part of the building. Their construction has been postponed until the necessary funds are obtained. Similarly, while everyone who uses the hangar gymnasium realizes the necessity for a new structure, gymnasium buildings are expensive and the funds for their construction cannot be abstracted from the regular operating expenses of the Institute.

The large waiting list kept by the dormitories at the first of this year bears evidence to the need for another unit or two for undergraduates. With the transfer this year of three undergraduate halls to the Graduate House there has been a shortage of rooms which has led to much hasty but necessitous pledging to fraternities on the part of new students. Although dormitories are self-supporting when constructed, it requires an endowment of considerable proportions to erect them. If the increased enrollment predicted for the next few years materializes, the need for housing facilities will become a pressing one which should be anticipated far enough ahead of time to prevent a serious shortage.

Without an energetic campaign for funds toward these improvements there can be little hope of seeing them realized in the near future. The effect of the present financial situation on the pocketbooks of potential donors is reflected here by the fact that capital gifts to the Institute during the past fiscal year reached a new low. Most of Technology's present endowment has come as a result of concerted, whole-hearted campaigns. It is now time to consider the advisability of another campaign of the same kind, only this time to make the living conditions and recreational facilities at the Institute the equal of its educational plant.

## OPEN FORUM

In opening its columns to letters addressed to the Editor, THE TECH does not guarantee publication nor does it necessarily endorse the opinions expressed. Only signed communications will be considered. However, if the writer so desires, only the initials will appear on publication.

## Fraternity Feeling

To the Editor of THE TECH:

In the last issue of THE TECH was printed the Prom Committee election circular sent to the Fraternity Juniors. The men of the Dormitories and the Committees cannot help but feel that this circular is libel against them and is criterion of general Fraternity sentiment. It is not our place nor purpose to criticize electioneering among the fraternities, but it is our intention to refute the disparaging inferences in the circular in question.

## OPEN FORUM (Continued)

First of all, why shouldn't the Junior Prom be run by Dorm Men and Commuters? The circular offers no reasonable, unbiased answer to this question. It is a noble effort, that of encouraging Fraternity spirit, but the Junior Prom Committee should be representative of the three groups that make up the student body, and there is no call for cut-throat competition among them.

There is but one group of these three that considers the Fraternities "the social back-bone of the Institute." That group is the Fraternities. They have absolutely no foundation for such an assumption, and if this is the general sentiment of all Fraternity men, they have been sadly disillusioned during their Institute career.

Fraternity dances are closed except to invited guests, while the Dormitories and Commuters hold all their affairs open to the whole Institute.

The Fraternities are widely scattered and far from the center of Institute activity. The Dormitories is the only group of the three that is absolutely united and on the campus. It is the group that leads a true Institute life, makes best use of the Institute facilities and lends the true aspect of the spirit of cooperation to student organization. They do not "encroach" on anyone's rights in so doing, nor do they organize against any other of the two groups with which they cooperate.

Moreover, there are men in the Dormitories and among the Commuters who have held and now hold the highest positions in Institute student government, and have done the best of work in these positions.

In view of these considerations, such an open expression of Fraternity sentiment toward Non-Fraternity men appears one-sided and perverse. It brings to a head a feeling among the Fraternity groups that has long existed without foundation and has shown itself in Fraternity manipulation of Institute activities.

Signed,

ARTHUR L. HASKINS.

## Electioneering

To the Editor of THE TECH:

If someone had consciously tried to devise the most unsatisfactory system of electing class officers and committeemen at the Institute, he could not have invented anything much worse than the present system. The inefficiencies and injustices of our electoral machine have too long been overlooked. Some action must be taken to make the student body politics-conscious.

The prime fault of the system and the factor which contributes most to the student apathy is the overwhelming lack of information about the men up for election. To most of the voters in the last class elections the names on the ballots were no more than names. They carried no significance because the voters had little or no way of knowing the qualifications of the men for whom they were voting. What is the result of this lack of availability of information? The result is widespread undergraduate lack of interest in the outcome of the elections and consequent lack of feeling of responsibility on the part of the students in the executive and judicial matters of major importance to the student body itself.

Information about the candidates is not available because it is not legal. In the by-laws of the elections committee is a ruling that makes any form of electioneering in the Institute illegal. The purpose of this law is to prevent "dirty" politics in the form of mud-slinging that might take place in open campaigning and also to prevent the formation of voting blocs. Its real result as we have seen is a very effective obstruction to clear-

headed and honest voting. For the average student the names on the ballots might have just as well been taken indiscriminately out of the directory.

But before discussing a remedy for this situation, let us investigate the effectiveness of the Institute Committee in preventing electioneering in the past. Last year THE TECH published an expose written by Marvin Silberman, '34, showing how a large voting bloc has been formed in the dormitories with the aid of several fraternities. The aims of this voting bloc were carried out successfully and in complete secret. Another example of less direct influence exercised by the fraternities occurred immediately before last Wednesday's elections when a mimeographed sheet was circulated in some fraternities containing a list of fraternity candidates. The message also included this question: "Do you want the dormitory residents and commuters to get control of the Junior Prom Committee?"

The dormitory men have not been guiltless in this respect. The names of their candidates were posted in the dormitories and copies of THE TECH with dormitory candidates names encircled were circulated, before the last election. And the long-forgotten and disorganized commuters had a "meeting" before election day, not ostensibly a political rally, but the real purpose of which was to get a commuter onto the Junior Prom Committee.

If we admit that the law regulating electioneering not only fails to accomplish its major purpose but also makes nearly impossible the honest choice of the best man for office, there is but one answer: the law should be repealed.

M. T. F.

FIRST MUSICAL CLUBS  
CONCERT IS TOMORROW

(Continued from Page 1)

After the concert there will be dancing.

The program to be presented is as follows:

Banjo Club	
Hilo March	
Zacatecas	G. Codina
Glee Club	
Farewell to the Forest	Mendelssohn
Gypsy Love Song	V. Herbert
Magician	Bernard Whitman, '35
Orchestra	
Intermezzo from Cavalliera Rusticana	Mascagni
Orpheus in the Underworld	Offenbach
Banjo Duet	Frank Walters, '35
	Charles Hanley, '35
Glee Club	
Stein Song	

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TECH PENCIL PUSHERS  
WILL MEET ALL COMERS

Although somewhat disappointed at the loss of their chance to mangle the Voo-Doo team, THE TECH footballers stand ready to contest with each and every campus group which can get together eleven men who think they can stay four quarters against THE TECH Pencil Pushers. Any team lasting the entire game will receive due recognition in THE TECH.

Because it is only reasonable to expect that the T. E. N. and the Technique will probably "be in conference" as far as the challenge goes, any group with a team really from their organization may accept. Come one! Come all! But don't wait until the baseball season to announce your acceptance.

HILL-AND-DALERS  
FINISH NINTH IN  
N. E. TITLE MEET

Vesey of Colby Winner; Jenkins  
Takes Twelfth in Fast  
Four Mile Race

Technology's cross country team finished ninth in the N. E. I. C. A. A. championship run at Franklin Park yesterday afternoon.

The new four-mile course made the race very fast. At the two-mile mark Morton Jenkins, '35, was in third place, but the terrific speed was too much for his injured leg and he lagged back to finish twelfth.

Vesey of Colby, the favorite, was the winner in 21 min. and 28 4-5 sec. Hunnewell of Maine was second and Cotter of Rhode Island third. The first three teams finished in the following order: Maine, Rhode Island, and New Hampshire.

The freshman teams finished as follows: New Hampshire, Rhode Island, Tufts, Maine, Technology, Northeastern, and Springfield. Robert Eddy, finishing tenth, led the Tech frosh, with the rest placing; Des Jardins 18th, Bates 25th, Kittel 34th, Heintz 38th, Cude 43rd, and Brown 45th.

BOOTERS DEFEAT  
BRIDGEWATER, 3 - 1

(Continued from Page 1)

on a direct drive from scrimmage in front of the Bridgewater goal. The third goal was scored in a like manner by R. Dreselly. The sole Bridgewater tally was made in the last quarter on a short kick from scrimmage by G. Morris.

The Beaver team on the whole played consistently well. H. Essley played a fair defensive game, while G. Forsburg, the team captain, turned in an excellent defensive performance and was an invaluable aid to the morale of the team. Kron played a steady game, as did W. Wojtczak, who played a position usually taken by J. Hamilton. C. Gray played superlatively and made several saves.

The lineup was as follows:

M. I. T.	Bridgewater
Gray g	.....g, Scahill
Forsburg, rfb	.....rfb, Bradbury
Wojtczak, lfb	.....lfb, Nolan
Dreselly, rhb	.....rhb, Bowles
Allen, lfb	.....lfb, Higgins
Essly, ch	.....ch, Hill
Cheng, or	.....or, Murphy
Waxman, ir	.....ir, Ehrhardt
Kron, cf	.....cf, Parsons
Winiarski, il	.....il, Morris
Torrence, ol	.....ol, Coombs

**Hold Everything**

He: A nice girl shouldn't hold a young man's hand.

She: A nice girl has to.

— Illinois Siren.

"F-e-e-t. What does that spell?" asked the teacher.

Johnny didn't know.

"What is it that a cow has four of and I have only two?"

Johnny's answer was as surprising as it was unexpected.

— Texas Battalion.

STAGE and SCREEN

The Pursuit of Happiness

The *double extendr* makes a blushing success of "The Pursuit of Happiness", the theatre's latest attempt to shame the Boston *granddames*, which is now playing its final week at the Hollis.

Set in a cold winter during the Revolutionary War, the play tells the entirely amusing story of a Hessian deserter from the British army, who is captured incidentally by a Connecticut farmer, and eventually by the farmer's daughter. The deserter, Max Christmann, pleased by the American war-cry of liberty and the pursuit of happiness, is, however, bewildered by New England's definition of these ideals. Why, he asks at various times, must you be fined if you do not go to church? why can't you smtke on Sunday? why are you arrested if you are not married to the woman?

But his greatest problem arises when he begins to bundle, only to find the saw-toothed center board swinging down between him and the girl, Prudence. Is this the way, he asks, that you do your "running after happiness"? Then he found that the board could swing up quite as easily as down.

It was the servant girl! Meg, though, who brought down the house. Meg had spells when she would get sweet feelings about men, Meg couldn't go to bed when the militia was near, and she never learned to lie, at least not very well. One night Prudence caught her slipping out into the cold, and wondered why. "Oh", said Meg, "I'm going to get something in the barn." She kept her promise too, and go some hay in her hair besides. And later, to bring the curtain down with a bang

As we look over the schedule of coming athletic events we note that the Tech rifle team opens its season on Friday of this week against the U. S. Marine Corps team. With only Wilbur Foote and Len Shapiro gone from last year's outfit, the 1934-35 group ought to be able to bring home more than its share of victories. In addition to Greer, Hall, Rice, and Flood, Sergeant MacDonnell has several new candidates who are no slouches in the art of sharpshooting. Technology's rifle teams have been consistently good in their performances in the past, and as it appears now, we can expect another season of commendable marksmanship.

With Mort Jenkins not running up to his usual standard, Tech's cross-country team didn't fare so well when the final returns were in at the New England I. C. A. A. Championships yesterday at Franklin Park. Jenkins' bad leg bothered him enough to keep him from finishing any better than twelfth. Undoubtedly his poor showing in contrast to that of 1933 was also attributable to the fact that Mort was not in the best of condition because his leg kept him from working out last week.

That athletic bulletin which made its appearance in the main lobby recently is a very commendable improvement to the credit to the Athletic Association. The bulletin publicizes all the coming athletic events to the student body in a clear and concise manner. In the past, publicity has been attained by means of posters and newspapers and although these methods are always effective in their respective ways, they are never quite able to take the place of a single prominently-placed bulletin.

on the final scene, she said to a southern officer who had been extremely wistful as regards her charms: "Colonel, I've got something hot for you out in the kitchen." Yes, he went out to the kitchen.

The characters are all types, except for Meg, although it would be nice to think she was, but they are well-done, and that is sufficient apology for any type. The Reverend Lyman Banks looks, talks, and dresses the Puritan fanatic. Naturally a suspicious man, he is the first to think that there might be more in this bundling custom than there should be, and be-

comes a diverting martyr to his belief.

Farmer Kirkland, who is much too indulgent and liberal for Mrs. Kirkland, has an unhappy time trying unsuccessfully to drink when his wife isn't looking, but he does get out of going to church.

The dialogue is uniformly successful, and not too extravagant. It is alive, it holds a fast pace, and proves that the authors took full advantage of the abundant humor of their subject; and since the characters do not fail their lines, it does not matter that the action of the play is slight, and often fantastic.

SPORTS COMMENT

Freshman Bridge Player  
Gets Unusual Combination

If good fortune at bridge has any connection with luck in studies at least one member of the Class of '38 should get a string of H's this term. Last night when four frosh got together for an informal bridge game Lady Luck rolled up her sleeves and put in a real night's work. One of the freshmen bid five clubs. After another round of bidding he made it seven clubs, doubled and redoubled. Then he laid down thirteen clubs. According to the law of probabilities there is just one chance in 8,122,425,444 of such a case occurring.

Greta Garbo's Trunks Seized  
— Boston Herald.  
Somebody's been pulling her leg.  
— Lampoon.



The COPLEY-PLAZA  
Tea Dances  
in the beautiful  
Sheraton Room  
Every Saturday Afternoon 4:30 to 7  
Supper Dances Nightly  
Music by the famous  
Meyer Davis' LeParadis Band  
Joe Smith directing  
Boston's unique and superbly modern  
Merry-Go-Round  
makes Cocktail Time one of  
life's smartest ceremonies.



"I like that  
fragrant Granger"



... in a  
common-sense  
package—10c

In the manufacture  
of Granger Rough Cut Pipe  
Tobacco the Wellman Process  
is used.

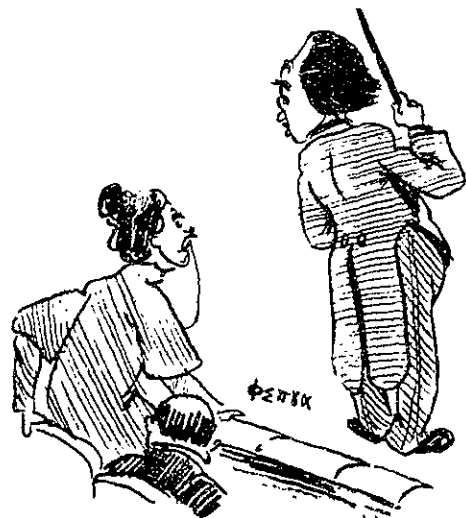
The Wellman Process is different from any other process or method and we believe it gives more enjoyment to pipe smokers.

- ... it gives the tobacco an extra flavor and aroma
- ... it makes the tobacco act right in a pipe—burn slower and smoke cooler
- ... it makes the tobacco milder
- ... it leaves a clean dry ash—no soggy residue or beel in the pipe bowl

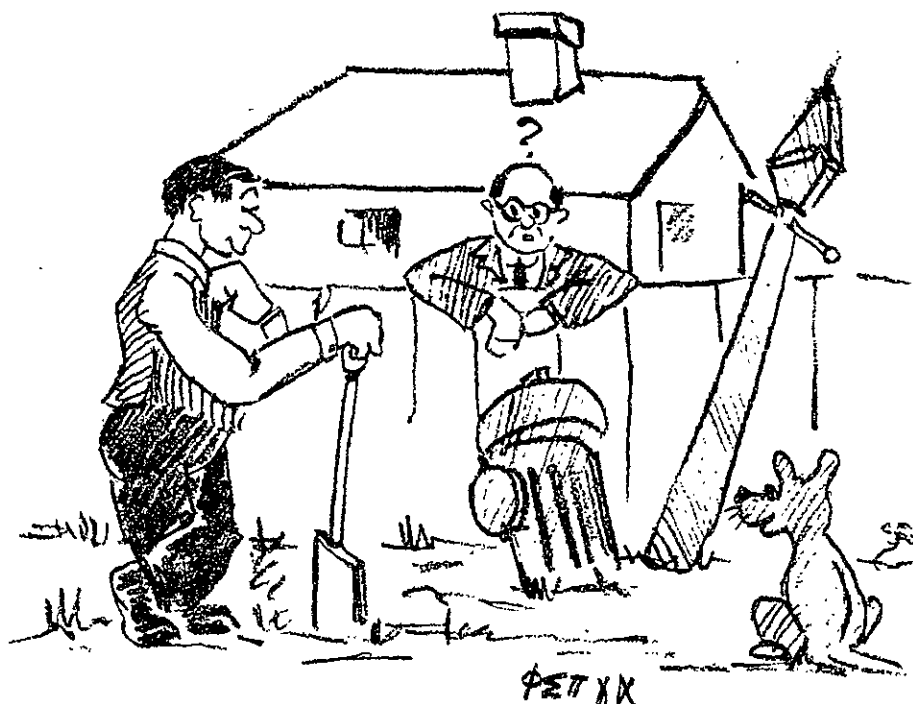
LIGGETT & MYERS TOBACCO CO.



# SUGGESTIONS FOR VOO DOO



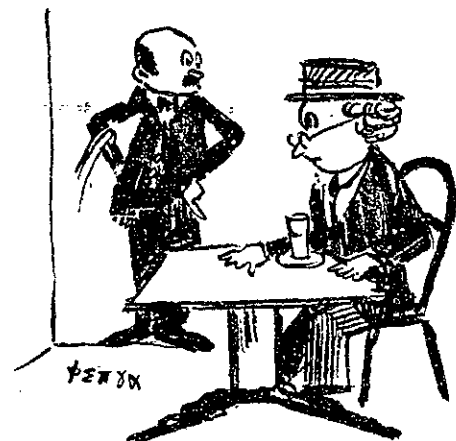
"Why Marmalade, you've forgotten your suspenders again."



"I got them for Fido's birthday."



"Here comes the general manager of Voodoo."  
"Let him in quick. He's had enough trouble already."



"Waiter, I think there's a cherry in my ale."  
"Well, what can I do about it? Charge you for an old-fashioned?"



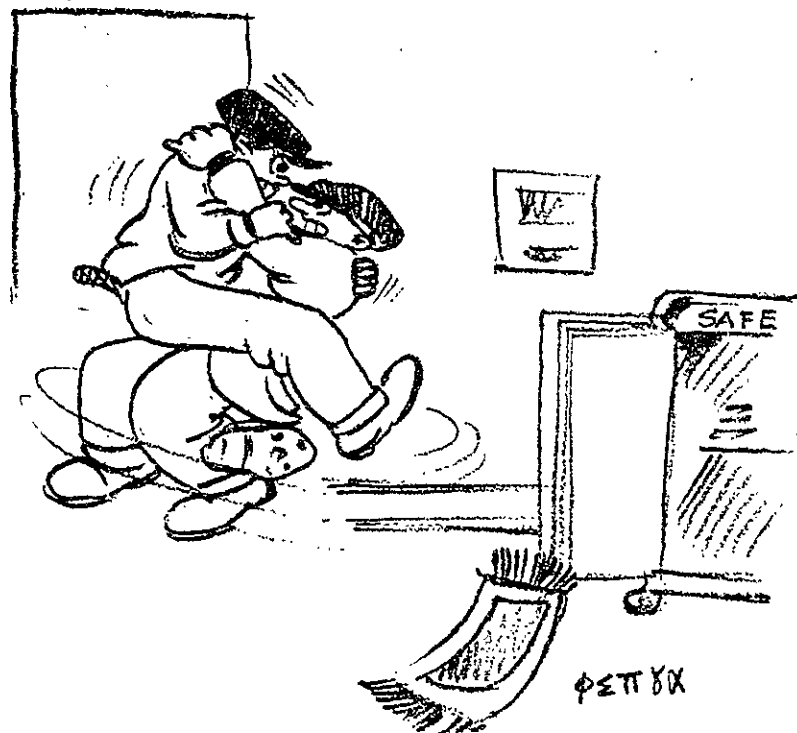
Give me the paddle it's my turn now."



"My future is assured, dear; I graduated from Course XV"



"Gad what a finesse!"



"Say, this violates the code, you chiseller!"



"Old Golds taught me what throat-ease means"  
says *George Raft*

See GEORGE RAFT in "LIMEHOUSE NIGHTS," his forthcoming Paramount Picture

FOUNDATIONS EXPERT  
COMES TO INSTITUTE

R. W. Carlson is Also Inventor,  
Concrete Authority, And  
Expert on Dams

R. W. Carlson, recently added to the staff of the Institute after coming here from the University of California, is an inventor of note besides being author of six books dealing with foundations, especially concrete.

An expert on the construction of dams, Carlson has also had experience as Testing Engineer, Concrete Inspector and engineer for the City of Portland, Oregon.

He acquired his A.B. at the University of Redlands in 1922 and M.S. in Civil Engineering at the University of California in 1933. He is a member of American Society for Testing Materials, American Concrete Institute, Sigma Xi, and Associate Member, American Society of Civil Engineers.

40% OF ACCIDENTS CAUSED  
BY 1% OF AUTO DRIVERS

(Continued from Page 1)  
records with others were sent to the office where the information was summarized and accident spot-maps were made for the more important cities and towns. From this information definite recommendations were made for the correction of accident-causing situations.

Complete Surveys Taken In Some  
Towns

This over, the district engineers conferred with local authorities with the result that complete traffic surveys were taken in fifteen cities and towns. These surveys included an exhaustive study of local traffic volume, accidents, observance of traffic lights and stop signs, enforcement of traffic regulations, safety education in schools, and the preparation of traffic flow maps, accident spot maps, and complete accident-by-location files. The reports were intended to place in the hands of local authorities the best information obtainable on the subject and suggestions for the solution of the traffic problems.

Analysis of the highway accidents of the State revealed a variety of factors which might be studied. The question of visibility of pedestrians to night drivers was among the most important. Experiments were carried out to determine the distance at which a pedestrian becomes visible under varying conditions of road surface, weather, street lighting and the lights of oncoming cars. Under normal conditions it was found that the pedestrian does not become visible until the car is within about 100 feet of him. At a speed of 40 miles per hour, the driver has only one and seven tenths seconds in which to think and act so as to avoid hitting the pedestrian.

Motorists Average 39 Miles Per Hour

Studies were also made of speeds of vehicles along straight stretches, at curves, intersections, and other hazards. Speeds of fifty cars each in about 3,000 locations were measured, and these figures were classified and averaged. The average speed on straight stretches was found to be 39 miles per hour. The average speed of the fastest fifteen per cent was 51 miles per hour. Drivers reduced speed in the presence of hazards by the following percentages: schools and hillcrests 15%, curves, intersections, and forks 18%, bridges 21%, underpasses and railroad crossings 28%. In connection with the last, out of 25,000 accidents investigated in Massachusetts in the past four years, only 137 occurred at steam railroad crossings.

Distance needed to stop a car in case of emergency depends upon the effectiveness of the brakes and the grip of the tires on the pavement. Most Massachusetts highways have surfaces which produce a very high coefficient of friction under tires.

Stopping Time Measured

If the air and rolling resistances were zero in a given car, if the maximum brake pedal pressure were fixed, and if the coefficient of friction of the brake lining remained constant, the stopping distance would vary as the square of the speed.

However in the tests carried out by the survey, it was found that stopping distances were not exactly proportional to the square of the speed, but

that stopping distances varied more nearly as some power of the speed between the square and the cube. This cannot be attributed to air resistance and friction of the tires because these would have an opposite effect. The survey revealed that the real cause was the reduction of friction in a brake lining when it becomes hot as it does when braking from high speeds.

Need Four-Fifths Second to Stop  
The time reaction of the driver is another important factor in analysis of accidents. Tests showed that an average of four-fifths of a second is needed (by a driver who wishes to stop, to think and act.

A questionnaire was sent to 12,000 motorists (about 1% of all in the state). A majority of these favored increasing the age limit for licensed drivers to 18 years, and that inspections should be made every six months. The vote was overwhelmingly in favor of the compulsory use of hand signals for vehicles stopping on or turning on the road, although road studies of the survey revealed that practically no drivers use the signals on State roads where it is already compulsory.

Personality of the driver is an important factor in highway accidents. The survey made a careful study of the records of 10,000 drivers in the state. Care was taken to pick a representative group.

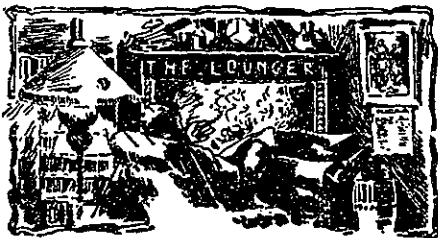
Reduction of highway accidents falls into two fields, education and engineering. Enforcement with an educational rather than a vindictive motive will have greater lasting results. Engineering should consist of striving for greater dependability in brakes and other equipment, and greater uniformity and consistency in the treatment and marking of roadway hazards in order that the driver may not suddenly encounter a hazard when a warning is reasonably expected.

TECH SWIMMERS START  
NEW "TECH SWIM CLUB"

(Continued from Page 1)  
ger; Webster Francis, '36, the present manager; Peter White, '36; Henry E. Heywood, '37; Cleon C. Dodge, last year's frosh captain; and John D. Du-Ross, of the original class of '35, who is now recovering from an automobile accident.

The object of the Club is "to reward deserving varsity men for loyalty to the swimming team, to promote the general welfare of the team through publicity and the arousing of enthusiasm in the student body with regard to the attendance of home meets, to bring into closer personal contact the outstanding varsity men, and to show courtesy to all visiting teams.

The Club will try to make the Institute swimming conscious. A dance is to be held this year at which they hope to put on an exhibition never before seen in Walker. It is believed that the Club will be recognized as an activity before long.



Frustration

We've always been under the impression that those benches in the Main Lobby were meant for students who lacked the energy to go up to the Central Library to study. So, when we had a few minutes to spare, but still not enough time to wait for the elevator, we established ourselves more or less comfortably on one. We had just got well into the intricacies of internal combustion engines when a freshman appeared with a worn and hunted look.

"Pardon me," he queried breathlessly, "but could you tell me where—?" We could and did. Then we settled back with the satisfied feeling that we'd done our good deed for the day. Along came a Sophomore, looking for the Record's Office. Slightly irritated, we forced a smile, however, and sent him blithely on his way.

As a third man came hesitantly toward us we snapped our book shut, took him by the arm, and propelled him gently but firmly through the door of the Information Office. Then we gathered our belongings and moved on with a vague feeling of frustration.

Fame At Last

We're feeling pretty well satisfied with ourself today. Yes sir, we've got a new reader for our column. And from way out in Chicago too. That makes four readers we have in all now. The only drawback is that the young man isn't interested in the rest of the paper, and consequently is hesitant about paying for something he doesn't want. So we'll have to convince him that our column is worth at least three cents any time.

That Contest Of Ours

It seems that everybody took our announcement of a contest in our last issue as a joke. We want to state definitely that we're serious about it, and have a worthy purpose in the furthering of knowledge. For those who missed the first announcement, the questions are as follows. 1. How do the worms get on the sidewalk between Walker and Building 2 in wet weather? 2. What is the density of the walk in worms per square foot? 3. What happens to those worms that are stepped on, since they are never to be found the morning after? The person submitting the most correct solution will have his answer printed in this column with or without his name, as he desires. Answers may be dropped in the mail slot of THE TECH News Office door in the basement of Walker.

Everyone must have at least an idea on the question. This is a good chance to do your part for the advancement of science.

FRESHMEN NEEDED FOR  
BANJO CLUB CONCERT

Due to the coming Franklin Square House concert, George A. Hoyen, Tech Orchestra Leader and the Banjo Club coach, wants all freshmen who can play to come out for rehearsals. Intensive practice is starting immediately and because of the nearness of the first concert and the possibility of the club broadcasting over the radio soon, Conductor Hoyen wishes to get the club as large as possible. Rehearsals are held every Tuesday and Thursday in the Activities Room in the Dorms from 5 to 6 P. M.

VOO DOO STAFF TROUBLED  
BY SURPLUS LITERATURE

(Continued from Page 1)  
For a cover for, let us say, next month, we would suggest a silhouette of a fraternity house, showing men and women in various stages of embarrassment, partaking of that element known as Sex.

Below we are printing further ideas which Voo Doo has our complete permission to use.

We are sure the management will understand.

Yours for a bigger and better Voo Doo.

THE TECH.  
When the Voo Doo imitation of THE TECH appeared last Friday, it surprised none any more than us, lest it be the majority of Voo Doo's own staff. We would like to exonerate our own printer from any complicity in the many faceted doing.

We have, however, learned many things about it twixt now and then. One is more of a speculation than a piece of knowledge. It is the question as to why so much attention was paid to its two front page subjects, namely Vestibule and Bloomers. This at least merits more thought.

Also word comes to us that Voo Doo has a great many left over, and that arrangements are being made for their sale to the Department of Sanitation Supplies.

Auto Salesman — Yes sir, and this car has floating power.

Prospect — Humph, that's nothing. So has Ivory soap.  
— Harvard Lampoon.

I went over to see a girl the other night. We turned on the radio and started to dance when her father came in. Without saying a word he grabbed me and threw me down the stairs. The next day I called the girl and asked her what the big idea was. "Oh," said she, "father is deaf and he couldn't hear the radio."

Elmer said, "Math is the hardest subject I ever studied. When I was a freshman I didn't know math from a hole in the ground."  
— Buccaneer.

Away From The  
Grind . . .

The Phi Kappa Sigma house dance Friday evening was a lively affair, particularly when the lights went out. As soon as candles were lighted dancers blew them out again. The Human Fiend received quite an ovation at his nonchalant entrance to the dance. "Also present" was John Duff who afforded more merriment than his Voo Doo publication Friday morning. Roger DeWitt and his orchestra furnished the music.

The Phi Beta Epsilon week end house party was climaxed with a dance Saturday evening. Ken Reeve's orchestra played well and the vocal accompaniment was good, even though the singing saxophone player had a difficult time expressing himself in the hide hi part of Minnie the Moocher.

Something new in smokers: The pledges of the Phi Gamma Delta fraternity will give a smoker on Thursday, November 15, from 8:00 until 10:00, at 28 The Fenway, for all the pledges of the other houses. Warning to timid pledges; everyone is expected to be gay and festive (cider and doughnuts will be served).

Mal De Mer  
She was standing by the rail  
And looking deathly pale;  
Did she see a whale?  
Not at all.  
She was papa's only daughter,  
Throwing bread upon the water  
In a way she hadn't oughter —  
That was all.  
— Princeton Tiger.

Righto! — We're a bit snooty about our drawing inks—choice of the best draftsmen for the last 54 years. Give 'em a tumble!

CHAS. M. HIGGINS & CO., Inc.  
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**HIGGINS'**  
American  
**DRAWING INKS**

**THE KNIGHTS TALE**  
PLEASE READ CHAUCER'S  
THE KNIGHTS  
TALE.  
WHO, ME?

**WHYLOM, AS OLDE STORIES  
TELLEN US, THERE WAS A  
DUK THAT HIGHTE THESEUS;  
OF ATHENES HE WAS—  
ETC.**  
AH!

**FUL OFTE A-DAY HAN THISE  
THEBANES TWO TOGIDRE Y-MET,  
AND WROGHT HIS FELAWE WO;  
UNHORSED HATH ECH OTHER OF  
HEM--ETC.**  
GOSH!  
HAW!

**THE SMOKER'S TALE**  
TO TELLE THE TREWTH,  
I LYK A SMOKE THAT'S  
MYLD AND MELLOW!  
GUDE, OLDE  
PRINCE  
ALBERT!

AFTER EVERY CLASS  
IT RINGS THE BELL!

THERE are two reasons why Prince Albert is called "The National Joy Smoke" by pipe smokers. The first—it is a secret blend of choice, top-quality tobaccos. The second—this excellent blend is treated by a special process which absolutely removes all "bite." Get a big red tin of "P.A." yourself and find out how good your pipe can really taste.

PRINCE ALBERT  
—THE NATIONAL JOY SMOKE!





## CALENDAR

Tuesday, November 13

5:00—Banjo Club Rehearsal, East Lounge, Walker Memorial.  
5:00—Glee Club Rehearsal, Room 10-250.  
6:00—Scabbard and Blade Dinner, Grill Room, Walker Memorial.  
6:00—Society of Automotive Engineers Dinner, North Hall, Walker Memorial.  
6:30—Orchestra Rehearsal, Room 10-250.

Wednesday, November 14

1:00—Chemical Society Trip to Cities Service Corporation.

Thursday, November 15

3:00—Theoretical Seminar, Eastman Lecture Hall.  
4:30—Physical Colloquium, Eastman Lecture Hall.  
5:00—Glee Club Rehearsal, Room 10-250.  
6:30—Orchestra Rehearsal, Room 10-250.

### HOLD MASS MEETING IN ROOM 5-330 FOR CIRCUS

(Continued from Page 1)

sufficient reasons for prohibiting the affair.

#### Five Persons Offer Aid

Nelligan announced yesterday to THE TECH that no less than five persons had offered to assist him in the management of the Circus if petitions are obtained and if the subsequent general poll reveals student favor.

Several faculty members and students will speak at the meeting tomorrow and petitions calling upon the Institute Committee for a general vote be circulated. According to Art. IV, Sec. 3, of the Undergraduate constitution, the Institute Committee shall, upon receipt of these petitions, signed by fifty students, "within four days issue a call for a general vote on the matter in question, the same being taken by written ballot within fourteen days but not earlier than seven days after the issue of such a call."

#### Two-Thirds Vote Necessary

Furthermore, the constitution states: "Two-thirds of the ballots cast shall be necessary to annul any act or decision of the Institute Committee."

Interest in Tech Circus was revived this year when a straw poll conducted

by THE TECH showed 87% of the 679 students contacted in favor of the holding of a circus this year. with only 5% opposed.

The matter was then presented to the Institute Committee which rejected the proposal with the remarks cited above.

All persons who are interested in this issue are invited to be present at the meeting and to assist in the proceedings.

### DEBATERS WILL HOLD TRYOUTS ON THURSDAY

(Continued from Page 1)

on either side of the question, Resolved, that the arms and munitions trade in the United States be a federal monopoly.

The debating Society was organized last year by a group of students interested in the development of debating as an intercollegiate activity at the Institute and in the formation of an organization to foster informal discussion on pertinent questions by the undergraduate body. A freshman team was organized which was unbeaten in its first season. Several informal debate-discussions were held during the year.

Already this year the Society has had two meetings at which informal

debates were held, followed by open forums. Plans are being laid for mock-Congress sessions and other unique meetings. According to Philip R. Scarito, '37, president, there is plenty of opportunity for any one interested to become active in the association. At the next business meeting, freshmen members of the Executive Committee will be elected.

Students interested may give their names either at the next meeting or to Mr. Howard R. Bartlett in Room 2-179 or to Paul W. Stevens, '37, secretary. All members have been asked to present speeches if possible at Thursday's tryouts.

### EXECUTIVE COMMITTEE SILENT ABOUT ELECTION

(Continued from Page 1)

proof, it was stated. It was impossible, however, to secure official rejection or confirmation of this statement.

While the Armistice Day Holiday has produced a temporary lull in the inquiry, the matter will be resumed today with full vigor.

The letter upon which the charges are based, was addressed to fraternity Juniors, urging them to unite against the commuters and dormitory men. It declared that the fraternities must cast a solid vote, or lose control of the Junior Prom Committee.

At the next meeting of the Institute Committee, Thursday, November 22, the results of the investigation will be announced. At that time, the Institute Committee will decide whether or not the election shall be held again.

The Executive Committee, which is charged with the conduct of the inquiry and the determination of the legality of the elections, is composed of the officers of the Institute Committee, and three other members. They are Walter H. Stockmayer, President; William W. Cross, Vice-President; J. Barton Chapman, Secretary; John B. Ballard, Budget Committee; Wesley H. Loomis, Walker Memorial Committee; and Henry F. King, member-at-large.

### CHEMICAL SOCIETY TO VISIT OIL REFINERY

Members of the Chemical Society will have the opportunity of inspecting an oil refinery tomorrow. The Society will visit the Cities Service Refining Company at East Braintree.

Students intending to go on this trip are requested to sign up opposite the cashier's office. Any students owning cars should sign up at their earliest convenience. Since transportation facilities seem at this time to be extremely limited, persons desiring to go will be taken in the order in which they sign. The group will leave from the Main Lobby at one o'clock.

### BOAT CLUB YACHT PARTY OFFERS SCAVENGER HUNT

(Continued from Page 1)

ning lights, and a pair of Class A dinghies.

Tables will be arranged in the same manner as they were last year, to give the dance a cabaret setting. Individual tables may be reserved in the Main Lobby starting at twelve o'clock. Reservations made without the purchase of tickets will be cancelled after tomorrow unless tickets are shown at that time. Tickets are on sale in the Main Lobby.

Music will be furnished by Armando Corea and his orchestra, who have been playing regularly over radio station WAAB. They may be heard over that station at 2:15 P. M. Thursday. Corea has played in several establishments popular with students.

Over three hundred couples are expected to attend the affair. Those asked to act as chaperones are: Prof. and Mrs. L. F. Hamilton, Mr. and Mrs. R. E. Evans, and Mr. and Mrs. A. A. Lawrence. Invited guests are Dr. and Mrs. K. T. Compton, Prof. and Mrs. George Owen, Dr. Allan W. Rowe, and Coach Bill Haines.

In addition to other attractions, those attending will be served with cigarettes.

### Undergraduate Notes

There are positions for four freshmen as assistant basketball manager. Competition will be for two years at the end of which time the varsity manager is chosen. Those interested should report either to the A. A. office on the third floor of Walker Memorial or to the Hangar Gym any afternoon.

### TAU BETA PI SELECTS SENIORS AND JUNIORS

(Continued from Page 1)

participation in activities. Only those from the third or fourth year of the engineering courses are chosen.

The names of the men elected are as follows: Class of '35 — Hal L. Bemis, John H. Best, John B. Chapman, John J. Demo, George C. Dunlap, Reid Ewing, Wilfred R. Grosser, Richard L. Hughes, Fred M. Kraus, Stanley M. Lane, Charles W. Smith, Howard R. Staley, Laurence A. Stone. Class of '36 — Harry E. Essley, Jr., Dorian D. Shainan, and Fletcher P. Thornton.

### Walton Lunch Co.

Morning, Noon and Night  
You will find All Tech at  
78 Massachusetts Avenue  
CAMBRIDGE

QUICK SERVICE  
APPETIZING FOOD  
POPULAR PRICES  
*Quality First Always*  
THAT'S  
**WALTON'S**

1080 Boylston Street  
Convenient to Fraternity Men

# Fair enough—

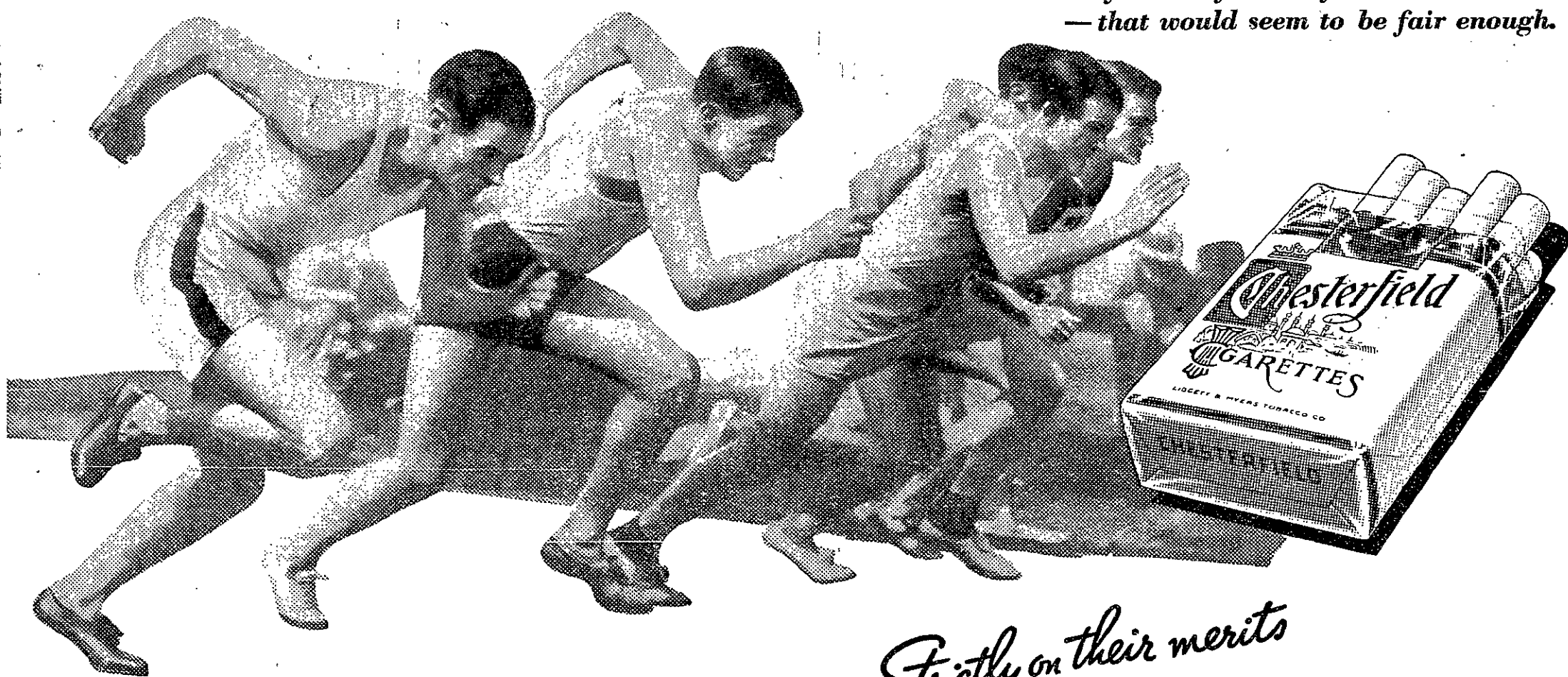
WE tell you that Chesterfield Cigarettes are made of mild, ripe tobaccos. We've told you about the paper—that it's pure and burns right, without taste or odor.

We have said that Chesterfields are made right. The tobaccos are aged, then blended and cross-blended, and

cut into shreds the right width and length to smoke right.

These things are done to make what people want—a cigarette that's milder, a cigarette that tastes better—a cigarette that satisfies.

*You can prove what we tell you about Chesterfield. May we ask you to try them—that would seem to be fair enough.*



*Strictly on their merits*  
the cigarette that's Milder  
the cigarette that TASTES BETTER